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TI Preparation of lactams

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SO Jpn. Kokai Tokkyo Koho, 6 pp.

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| PI | JP 03081261 | A2 | 19910405 | JP 1989-217026 | 19890823 |
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AB Lactams, useful as solvents (no data) and materials for polyamides, are  
prepd. by treating formylcarboxylic acids and/or their esters with NH<sub>3</sub>  
and/or primary amines in presence of tertiary amines and subsequent  
hydrogenation. A soln. of Bu .beta.-formylpropionate and Et<sub>3</sub>N in MeOH was  
treated dropwise with aq. MeNH<sub>2</sub> and the reaction mixt. was mixed with Ru/C  
and autoclaved under 50 kg/cm<sup>2</sup>-gage H at 50.degree. for 1.0 h to give 63%  
N-methyl-2-pyrrolidone.

IC ICM C07D207-263

DT Patent

LA Japanese